

9.- ABSTRACT

In short, the Eolic Marine Electrical Generator "GEEM" is an extraordinary invention used for capturing the huge impulse force of water or wind, to generate mechanical energy and to transform the mechanical energy into electrical energy, clean and ecological, without consuming vital oxygen thanks to the invention of immense split, self-regulating panels, radially fixed in dihedral angle to a rotary central shaft, panels which capture by shock the inexhaustible energy of the wind, the waves or the ocean currents; or fixed on rotary or flying machines of high speed, with panels formed at the same time by oscillating vanes that at a certain time of a turn of 360° will face the natural energy as a single group or panel, capturing therefrom the impulse force and converting it into rotary movement through the central rotary shaft. Said vanes in other rotation, by oscillation, will divide the panel and will align themselves with the natural vector, permitting its free passage, eliminating the turning resistance of the panel against water or wind and generating a constant rotation movement, independent of the direction of water or wind, and then transforming said mechanical energy into electrical energy by existing conventional means.

The invention will allow men to renew their resources and to obtain electrical energy from anywhere in the planet

such as cities, countryside, deserts, forests, mountains, seas, floating cities or spaces such as the Arctic and the Antarctic, neither polluting the environment, nor depending on costly networks or non-renewable inputs. The invention will also generate electrical energy on fleets, land vehicles or airship without consuming non-renewable fuel or destroying oxygen. Moreover, this invention replaces the internal combustion engines by eolic electrical motors, changing the scenery of the modern world and recovering the ozone lost in the Antarctic. And this invention will also be used when men in future colonize planets, without rivers or seas but with plenty of wind, to generate electrical energy without polluting this new vital space of the human race.

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